

Quadratics: Expanded vs Factored Form

Expanded Form:

$$\textcircled{1} 4x^2 + 6x$$

$$\textcircled{2} -7 + 12y - 30y^2$$

$$\textcircled{3} 8x^2 - 1$$

$$\textcircled{4} 15x^2 + 12x + 2$$

Factored Form: (Distributive property in reverse)

$$\textcircled{1} 4x(5x + 7)$$

$$\textcircled{2} (x + 2)(5x - 1)$$

$$\textcircled{3} (7 - 3x)x$$

~~*~~ Factored form means there is **NO** addition or subtraction **OUTSIDE** the parentheses!

$x(x+3) - 14$ is NOT
factored

